



The Kentucky Tech Curriculum
Office of Career and Technical Education
Equal Education Opportunities M/F/D

**MASTER
COURSE
LIST**

Effective: 12/28/2012

Industrial Maintenance Technology**

HS PSD/LEAD Code	High School Title/KCTCS Course No./Title		HS Credit	% Lecture	% Lab	% Experience
470302	BASIC BLUEPRINT READING		.5	100%	0%	0%
	BRX 120	Basic Blueprint Reading				
470317	BASIC TROUBLESHOOTING		.5	100%	0%	0%
	BTX 205	Basic Troubleshooting				
470321	FLUID POWER		.5	34%	66%	0%
	FPX 100	Fluid Power				
470325	FLUID POWER LAB		.5	34%	66%	0%
	FPX 101	Fluid Power Lab				
470316	HYDRAULIC SYSTEMS (ADVANCED)		.5	40%	60%	0%
	MST 200	Advanced Hydraulic Systems				
470346	HYDRAULIC SYSTEMS LAB (ADVANCED)		.5	40%	60%	0%
	MST 201	Advanced Hydraulic Systems Lab				
470347	INDUSTRIAL MAINTENANCE ELECTRICAL MOTOR CONTROLS LAB		.5	66%	34%	0%
	IMT 221	Industrial Maintenance Electrical Motor Controls I Lab				
470330	INDUSTRIAL MAINTAINANCE OF PLC		.5	50%	50%	0%
	IMT 230	Industrial Maintenance of PLC's				
470348	INDUSTRIAL MAINTENANCE ELECTRICAL MOTOR CONTROLS		.5	66%	34%	0%

	IMT 220	Industrial Maintenance Electrical Motor Controls I				
470322	INDUSTRIAL MAINTENANCE ELECTRICAL PRINCIPLES		.5	34%	66%	0%
	IMT 110	Industrial Maintenance Electrical Principles				
470323	INDUSTRIAL MAINTENANCE ELECTRICAL PRINCIPLES LAB		.5	34%	66%	0%
	IMT 111	Industrial Maintenance Electrical Principles Lab				
470331	INDUSTRIAL MAINTENANCE OF PLC LAB		.5	50%	50%	0%
	IMT 231	Industrial Maintenance of PLC Lab				
470313	MACHINE TOOL - A (FOR MAINTENANCE)		1	25%	75%	0%
	CMM 110	Fundamentals of Machine Tools - A				
470314	MACHINE TOOL - B (FOR MAINTENANCE)		1	25%	75%	0%
	CMM 112	Fundamentals of Machine Tools - B				
470318	MAINT INDUSTRIAL EQUIP		.5	34%	66%	0%
	IMT 150	Maintaining Industrial Equipment I				
470319	MAINT INDUSTRIAL EQUIP LAB		.5	3%	7%	0%
	IMT 151	Maintaining Industrial Equipment I Lab				
470333	MOTOR CONTROL CONCEPTS (IND MAINT)		.5	40%	60%	0%
	IMT 240	Industrial Maintenance Motor Control Concepts				
470334	MOTOR CONTROL CONCEPTS LAB (IND MAINT)		.5	40%	60%	0%
	IMT 241	Industrial Maintenance Motor Control Concepts Lab				
470326	PNEUMATIC SYSTEMS		.5	40%	60%	0%
	MST 204	Advanced Pneumatic Systems				

470327	PNEUMATIC SYSTEMS LAB		.5	40%	60%	0%
	MST 205	Advanced Pneumatic Systems Lab				
470349	REFRIGERATION FUNDAMENTALS (FOR MAINTENANCE)		.5	34%	66%	0%
	ACR 100	Refrigeration Fundamentals				
470350	REFRIGERATION FUNDAMENTALS LAB (FOR MAINTENANCE)		.5	34%	66%	0%
	ACR 101	Refrigeration Fundamentals Lab				
470351	ROBOTICS AND AUTOMATION (FOR MAINTENANCE)		.5	40%	60%	0%
	ENGT 260	Robotics and Industrial Automation				
470352	ROBOTICS AND AUTOMATION LAB A (FOR MAINTENANCE)		.5	40%	60%	0%
	ENGT 261	Robotics and Industrial Automation Lab I				
470353	ROBOTICS AND AUTOMATION LAB B (FOR MAINTENANCE)		.5	40%	60%	0%
	ENGT 263	Robotics and Industrial Automation Lab II				
470301	SHOP MANAGEMENT		.5	100%	0%	0%
	SMX 100	Shop Management				
470354	SMAW (FOR MAINTENANCE)		.5	25%	75%	0%
	WLD 120	Shielded Metal Arc Welding (SMAW)				
470355	SMAW FILLET LAB (FOR MAINTENANCE)		.5	25%	75%	0%
	WLD 121	SMAW Fillet Lab				
470328	WELDING FOR MAINTENANCE		.5	50%	50%	0%
	IMT 100	Welding for Maintenance				
470329	WELDING FOR MAINTENANCE LAB		.5	50%	50%	0%
	IMT 101	Welding for Maintenance Lab				
470921	* BLUEPRINT READING FOR		1	60%	40%	0%

	MACHINISTS					
	BRX 112	Blueprint Reading for Machinists				
470305	* CO-OP I (IND MAINT)		1	0%	0%	100%
	IMT 199	Cooperative Education I				
470306	* CO-OP II (IND MAINT)		2	0%	0%	100%
	IMT 299	Cooperative Education II				
470307	* CO-OP III (IND MAINT)		3	0%	0%	100%
	IMT 199	Cooperative Education I				
	IMT 299	Cooperative Education II				
460301	* INDUSTRIAL SAFETY		.5	100%	0%	0%
	ISX 100	Industrial Safety				
060170	* PERSONAL FINANCIAL MGMT		.5	100%	0%	0%
	BAS 120	Personal Finance				
470308	* PRACTICUM I (IND MAINT)		1	0%	0%	100%
	IMT 198	Practicum I				
470309	* PRACTICUM II (IND MAINT)		2	0%	0%	100%
	IMT 298	Practicum II				
470310	* PRACTICUM III (IND MAINT)		3	0%	0%	100%
	IMT 198	Practicum I				
	IMT 298	Practicum II				
470349	* REFRIGERATION FUNDAMENTALS (FOR MAINTENANCE)		.5	34%	66%	0%
	ACR 100	Refrigeration Fundamentals				
470350	* REFRIGERATION FUNDAMENTALS LAB (FOR MAINTENANCE)		.5	34%	66%	0%
	ACR 101	Refrigeration Fundamentals Lab				
060191	* WORKPLACE PRINCIPLES		.5	100%	0%	0%
	WPP 200	Workplace Principles				

* - Before Course Title: Elective Course (See Notes Section)

* - After Course Title: Secondary Course; does not transfer to KCTCS

NOTES

CO-OP:

A student may repeat co-op or practicum for more than one credit, to the maximum number of credits allowed by the high school.

ELECTIVES:

The courses listed as electives are **not** part of certificate requirements. Elective courses may be an addition to any certificate but **not** a replacement or substitute for any required course.

****Industrial Machine Maintenance**

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